

Work Order ID 124728

Monday, September 22, 2014 3:08:39 PM

124728

Page 1

Item ID: 647.3801

Revision ID:

Item Name: 412 Upper Cutter Assy

Start Date: 9/22/2014 Start Qty: 2.00

Required Date: 9/22/2014 Req'd Qty: 2.00

Reference:

REV. N/C

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Customer:

2 3
2

Approvals: Process Plan: MJS Date: 14-09-22 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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647.3800	n/c
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110	Pick Kit	0.00							DAS
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110

Packaging		0.00				3			41
-----------	--	------	--	--	--	---	--	--	----

Packaging	Memo								9-89
-----------	------	--	--	--	--	--	--	--	------

15-1-15

120		0.00							DAS
-----	--	------	--	--	--	--	--	--	-----

120

Small Fab		0.00				3			41
-----------	--	------	--	--	--	---	--	--	----

Small Fab	Memo								9-89
-----------	------	--	--	--	--	--	--	--	------

15-1-15

A/R RTV LOCTITE 598: 135637
 exp. date: 5/15

130	QC5- Inspect part completeness to step on W/O	0.00							DAS
-----	---	------	--	--	--	--	--	--	-----

130

QC		0.00				3			38
----	--	------	--	--	--	---	--	--	----

Quality Control	Memo								9-89
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JAN 16 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube ☐</td> <td>Crosstube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>	Skid-tube ☐	Crosstube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Large Fab ☐	Composite ☐	Supplier ☐																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Work Order ID 124728***124728***

Page 2

Monday, September 22, 2014 3:08:39 PM

Item ID: 647.3801 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: 412 Upper Cutter Assy
Start Date: 9/22/2014 Start Qty: 2.00 ***2*** Cust Item ID:
Required Date: 9/22/2014 Req'd Qty: 2.00 ***2*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	Identify as per dwg & Stock Location CK26	0.00							06 9-29
140						3		JAN 19 2015	
Packaging	Memo	0.00							
Packaging	***IDENTIFY AS PER IAW MPP-120***								
150	QC21- Final Inspection - Work Order Release	0.00							
150									
QC	Memo	0.00							
Quality Control									

15/1/19 **JA**

HP-1-19

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
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Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Page 1

124728

647 3801

Required Date: 9/22/2014

Required Qty: 2.00

Comments: IPP REV:A 12.10.25 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.9701		Manufactured	No			110	Each	23.0000	1	23	DAS		
646 9701					117888				**		41	15-1-15	
Cutter Sub Assembly					121152					1	9-89		
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>		2			
				cck54			23						
				104377			10						
				110325			4						
				121153			1						
				121154			3						
				91788			5						
NAS1149FN832P		Purchased	No			110	Each	8,280.000	6	12	DAS		
NAS1149FN832P									**		41	15-1-15	
Washer											9-89		
				<u>Location</u>			<u>Loc Qty</u>	<u>Loc Code</u>					
				ST275			5775						
				123185			30						
				123522			400						
				123900			2						
				125268			5343						
				ST294			2505						
				M130388			2505			18			

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Crosstube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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Picklist Print

Monday, September 22, 2014 3:08:43 PM

Page 2

Work Order ID: 124728

Parent Item: 647.3801

Parent Item Name: 412 Upper Cutter Assy

124728

647.3801

Start Date: 9/22/2014

Required Date: 9/22/2014

Start Qty: 2.00

Required Qty: 2.00

MS21042L08

Purchased

No

110

Each

3,365.000

3

18

DAS

41

9-89

15-1-15

MS21042L 08

Nut

**

Location

Loc Qty

Loc Code

ST306

3365

123900

1

125445

268

m127304

99

m127410

628

m128401

1500

m128429

69

m129541

200

m130325

600

9

MS27039-08-19

Purchased

No

110

Each

1,155.000

3

9

DAS

41

9-89

15-1-15

MS27039-08-19

Screw

**

130505

9

Location

Loc Qty

Loc Code

ST286

500

124309

500

ST506

655

124309

25

125654

78

m127904

552

9

647.3910

Manufactured

No

110

Each

11.0000

1

9

DAS

41

9-89

15-1-15

647.3910

412 Upper Deflector

**

124426

3

Location

Loc Qty

Loc Code

cck12

5

m129702

5

MF3

6

121963

6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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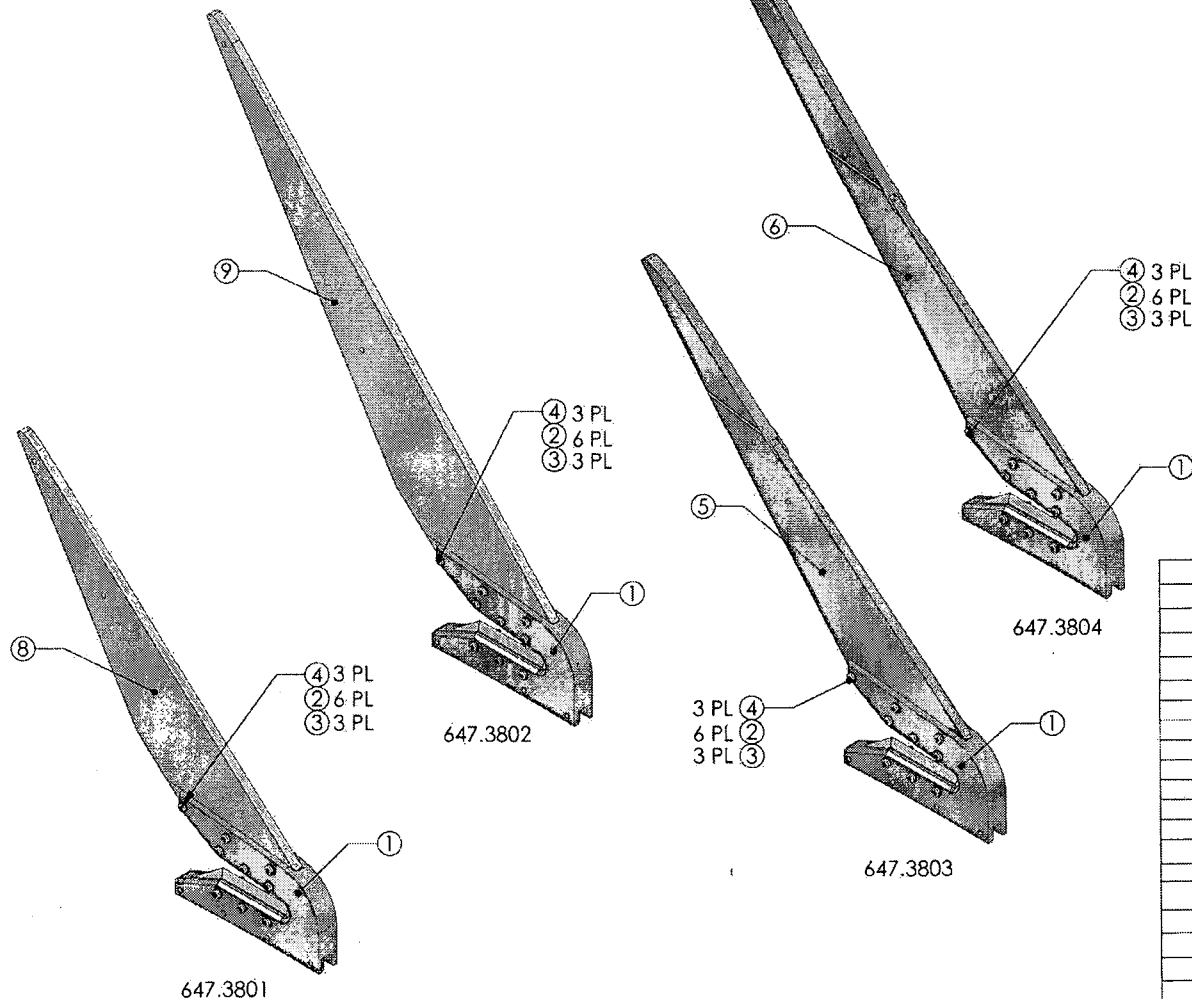
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES:

1. IDENTIFY IAW MPP-120
2. APPLY F/N 9 AS REQUIRED TO ALL FAYING SURFACES OF F/N 1, 5, 6, 7, & 8 UPON ASSEMBLY

REV.	DESCRIPTION	DATE	APPROVED
1	LAST PROTOTYPE REVISION (PP)		JUC
2	FINAL RELEASE	01/08/02	P. SPAYD

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 124728 M.L.J.
14 09-22



QTY	3804	3803	3802	3801	FIND #	PART #	DESCRIPTION	MATL	SPEC.
						9	647.3911	212 UPPER DEFLECTOR	
						8	647.3910	412 UPPER DEFLECTOR	
						7	601.2045	RTV, LOCTITE 598	
						6	647.3902	LOWER DEFLECTOR ASSY HIGH	
						5	647.3901	LOWER DEFLECTOR ASSY LOW	
						4	601.2765	SCREW	MS27039-0819
						3	601.1541	LOCKNUT	MS21042-08
						2	601.2764	WASHER	114511491H832P
						1	646.9701	CUTTER SUB ASSY	
							647.3804	LOWER CUTTER ASSY HIGH	
							647.3803	LOWER CUTTER ASSY LOW	
							647.3802	212 UPPER CUTTER ASSY	
							647.3801	412 UPPER CUTTER ASSY	
						PARTS LIST			
NEXT ASSY (S)						ORIGINAL DATE			
647.3700						APICAL INDUSTRIES			
						2608 TEMPLE HEIGHTS DR.			
						OCEANSIDE, CA. 92056-3512 (760) 724-5300			
						CUTTER ASSY			
						CAGE CODE			
						B 07M26			
						647.3800			
						SCALE NONE			
						SHEET 1 OF 1			

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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FAULT CATEGORY

Landing Gear ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Inspection Strip in Tube ☐ Marks/Chatter ☐ Turning Sequence ☐ Wave/Twist in Tube	General ☐ Bend ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Burrs ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Drawing ☐ Drill Holes ☐ Finish ☐ Fit/Function	☐ Folio/Program ☐ Grain ☐ Hardware ☐ Inspection Incomplete/Unqualified ☐ Instructions Incomplete/Unclear ☐ Misaligned/off center ☐ Mislabeled ☐ Misread ☐ Off-set ☐ Out of Calibration ☐ Out of Sequence	☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Positioned Wrong ☐ Power Loss/Surge ☐ Pressure/Forced ☐ Set-up ☐ Temperature/Cure ☐ Weld ☐ Wrong Stock Pulled ☐ Other
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